

1
2 WHAT IS CLAIMED IS:

3 1. A plurality of modular containers that can be
4 interconnected, for multiple uses, each said container
5 comprising:

6 a bottom surface, a top surface, and lateral walls that
7 are joined to one another via the bottom surface and the top
8 surface; and said top surface having a prolonged neck delimiting
9 an access mouth to an interior of said container, said access
10 mouth being shutable using a cover that can be removed; wherein

11 the lateral walls and the bottom and top surfaces possess
12 means for lateral and top and bottom interconnection with others
13 of the plurality of modular containers, wherein the means for
14 interconnection include compatible recesses and salients and of
15 reciprocal fit through initial, but not continuous, pressure.

16 2. A plurality of modular containers that can be
17 interconnected, in accordance with claim 1, wherein the means
18 for lateral interconnection are recesses and salients conformed
19 in the lateral walls of the container as male-female engaging
20 means, compatible to each other and disposed along said walls.

21 3. A plurality of modular containers that can be
22 interconnected, in accordance with claim 2, wherein the means
23 for lateral interconnection are guided in the longitudinal sense
24 of the container.

1 4. A plurality of modular containers that can be
2 interconnected, in accordance with claim 2, wherein the means
3 for lateral interconnection are guided in the traverse sense of
4 the container.

5 5. A plurality of modular containers that can be
6 interconnected, in accordance with claim 2, wherein the means
7 for lateral interconnection are guided at an angle with regard
8 to the longitudinal geometric axis of the container.

9 6. A plurality of modular containers that can be
10 interconnected, in accordance with claim 2, wherein the means
11 for lateral interconnection are alternate recesses and salients
12 compatible to each other that constitute male-female engaging
13 means with the equivalent recesses and salients provided by the
14 lateral walls of other containers similar to those with which
15 they are laterally connectable.

16 7. A plurality of modular containers that can be
17 interconnected, in accordance with claim 2, wherein the means
18 for top interconnection includes a salient conformed in the top
19 surface of the container, compatible with recesses conforming in
20 the bottom surface an external cavity, as male-female engaging
21 means among said top surface of each container with regard to
22 said cavity of the bottom surface of another similar container.

1 8. A plurality of modular containers that can be
2 interconnected, in accordance with claim 2, wherein the
3 compatible salients and their recesses are circular.

4 9. A plurality of modular containers that can be
5 interconnected, for multiple uses in accordance with claim 2,
6 wherein the compatible salients and their recesses are alternate
7 nerves with straight recesses.

8 10. A plurality of modular containers that can be
9 interconnected, for multiple uses in accordance with claim 7,
10 wherein the means for top interconnection of a container with
11 the cavity and central depression in the bottom of another
12 container of similar characteristics includes a neck born in the
13 top shoulder of the container, starting from a surrounding cord
14 that is projected to form an annular tooth of retention against
15 an annular groove, compatibly provided by the cavity of the
16 bottom surface.

17 11. A plurality of modular containers that can be
18 interconnected, for multiple uses in accordance with claim 7,
19 wherein the top surface of the container, conforming shoulders
20 on the top surface toward a proximal extremity gradually reduces
21 its traverse section, ending the formation of the neck; while,
22 the bottom surface as a female connection means with the top and
23 its neck includes a cavity of size and format compatible with
24 the shoulders and that includes a central depression compatible

1 with the admission of the neck of another container of similar
2 characteristics.

3 12. A plurality of modular containers that can be
4 interconnected, for multiple uses in accordance with claim 11,
5 wherein the shoulders are rounded convex.

6 13. A plurality of modular containers that can be
7 interconnected, for multiple uses in accordance with claim 11,
8 wherein the shoulders are in the form of a cone trunk whose
9 smaller base is prolonged conforming the neck of the bottle.

10 14. A plurality of modular containers that can be
11 interconnected, for multiple uses in accordance with claim 7,
12 wherein shoulders on the top surface are in trunk-pyramidal
13 shape whose smaller base is prolonged conforming the neck of the
14 container.

15 15. A plurality of modular containers that can be
16 interconnected, for multiple uses in accordance with claim 10,
17 wherein the external cavity of the bottom surface is rounded
18 concave, and includes a central depression compatible with the
19 neck of the container; and an adjacency area among the central
20 depression and said cavity of the bottom surface, and which
21 includes an annual groove compatible with an annular cord of the
22 neck.

23 16. A plurality of modular containers that can be
24 interconnected, for multiple uses in accordance with claim 9,

1 wherein the cavity of the bottom surface is infundibuliform with
2 a concave portion in the form of a cone trunk including a
3 central depression compatible with a neck of another bottle of
4 similar characteristics and an annular groove, in turn
5 compatible to a retentive fit of an annular cord of the outer
6 compatible bottle which is connectable to the same.

7 17. A plurality of modular containers that can be
8 interconnected, for multiple uses in accordance with claim 9,
9 wherein the cavity of the bottom surface is infundibuliform,
10 including a concave portion in a concave trunk-pyramidal shape,
11 provided of a central depression compatible with the neck of the
12 bottle.

13 18. A plurality of modular containers that can be
14 interconnected, for multiple uses in accordance with claim 9,
15 wherein the central depression of the concave bottom is in size
16 and shape compatible with that of the neck and an annular cord
17 of the container and its cover.

18 19. A plurality of modular containers that can be
19 interconnected, for multiple uses in accordance with claim 15,
20 wherein the central depression of the concave bottom is in size
21 and shape compatible with that of the neck and an annular cord
22 of the container lacking its cover.

23 20. A plurality of modular containers that can be
24 interconnected, for multiple uses in accordance with claim 19,

1 wherein said central cavity of the concave bottom is inwardly
2 provided with a threaded portion compatible with a threaded
3 portion of the neck of the bottle.

4 21. A plurality of modular containers that can be
5 interconnected, for multiple uses in accordance with claim 19,
6 wherein the central cavity of the concave bottom is in size and
7 shape compatible with that of the neck of the container without
8 its cover, although with a slightly smaller interior diameter to
9 the exterior of said neck; so that the male-female
10 interconnection among the mentioned neck of a bottle, and the
11 central cavity provided by the bottom of another bottle is able
12 to take place by a forced fit through initial, but not
13 continuous, pressure.

14 22. A plurality of modular containers that can be
15 interconnected, for multiple uses in accordance with claim 19,
16 wherein the central depression of the concave bottom is in size
17 and shape compatible with that of the neck of the bottle without
18 its cover, although provided of means that an interior diameter
19 slightly reduced respecting the exterior of said neck; so that a
20 male-female interconnection among the neck of a container and
21 the central depression provided by the bottom of another
22 container is able to take place due to a forced fit by initial,
23 but not continuous pressure.

1 23. A plurality of modular containers that can be
2 interconnected, for multiple uses in accordance with claim 2,
3 wherein a central cavity of a concave bottom surface is in size
4 and shape compatible with that of the neck of the bottle without
5 its cover, although provided of nerves that reduce its interior
6 diameter with regard to an external diameter of said cover; so
7 that a male-female interconnection among the neck and cover of
8 the container and the central cavity provided in the bottom
9 surface of another container is able to take place due to a
10 forced fit by initial, but not continuous pressure.

11 24. A plurality of modular containers that can be
12 interconnected, for multiple uses in accordance with claim 1,
13 wherein a traverse section of the container is square and is
14 defined by the lateral walls provided of the interconnection
15 means with other bottles of similar characteristics.

16 25. A plurality of modular containers that can be
17 interconnected, for multiple uses in accordance with claim 1,
18 wherein the lateral walls of the bottle correspond to a prism.

19 26. A plurality of modular containers that can be
20 interconnected, for multiple uses in accordance with claim 1,
21 wherein the lateral walls of the container correspond to a
22 regular prism.

23 27. A plurality of modular containers that can be
24 interconnected, for multiple uses in accordance with claim 1,

1 wherein the lateral walls of the bottle correspond to an
2 irregular prism.

3 28. A plurality of modular containers that can be
4 interconnected, for multiple uses in accordance with claim 1,
5 wherein the lateral walls of the bottle correspond to a prism
6 having a square base.

7 29. A plurality of modular containers that can be
8 interconnected, for multiple uses in accordance with claim 1,
9 wherein the lateral walls of the container correspond to a prism
10 having a square base in an octagonal shape. (that is its corners
11 slanted)

12 30. A plurality of modular containers that can be
13 interconnected, for multiple uses in accordance with claim 1,
14 wherein the lateral walls of the container correspond to a prism
15 having an octagonal base.

16 31. A plurality of modular containers that can be
17 interconnected, for multiple uses in accordance with claim 1,
18 wherein the lateral walls of the container correspond to a prism
19 having a trapeziform base.

20 32. A plurality of modular containers that can be
21 interconnected, for multiple uses in accordance with claim 1,
22 wherein the lateral walls of the container correspond to a prism
23 having a circular base.

24